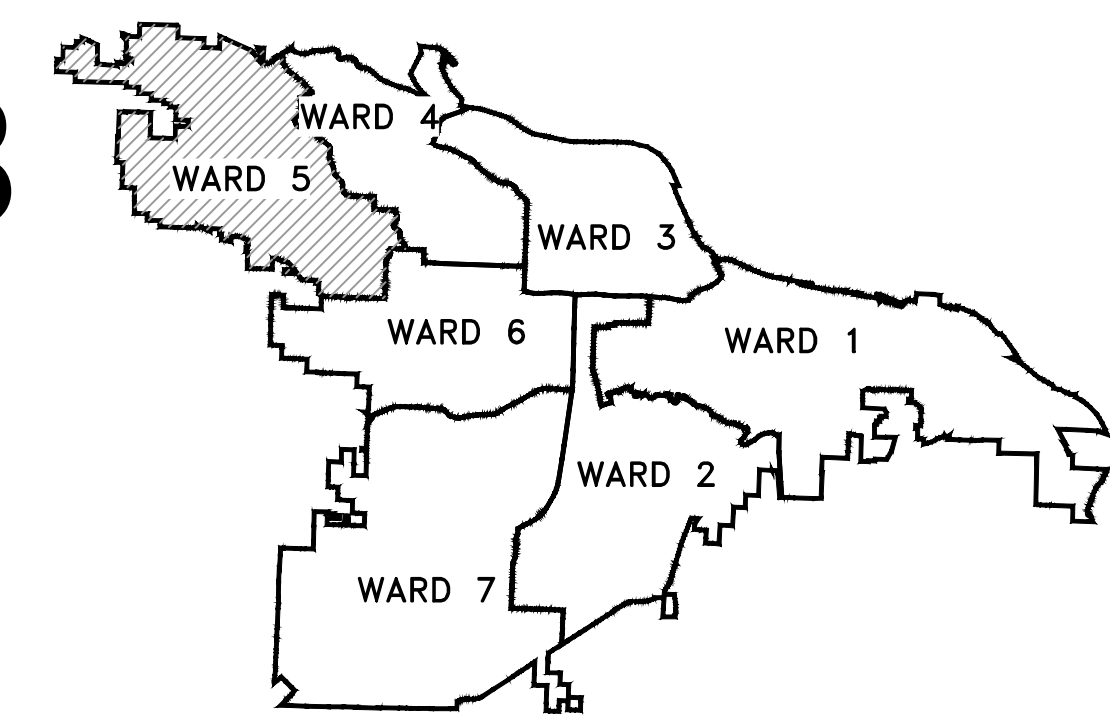


# CLR PROJECT #05-22-DR-004B

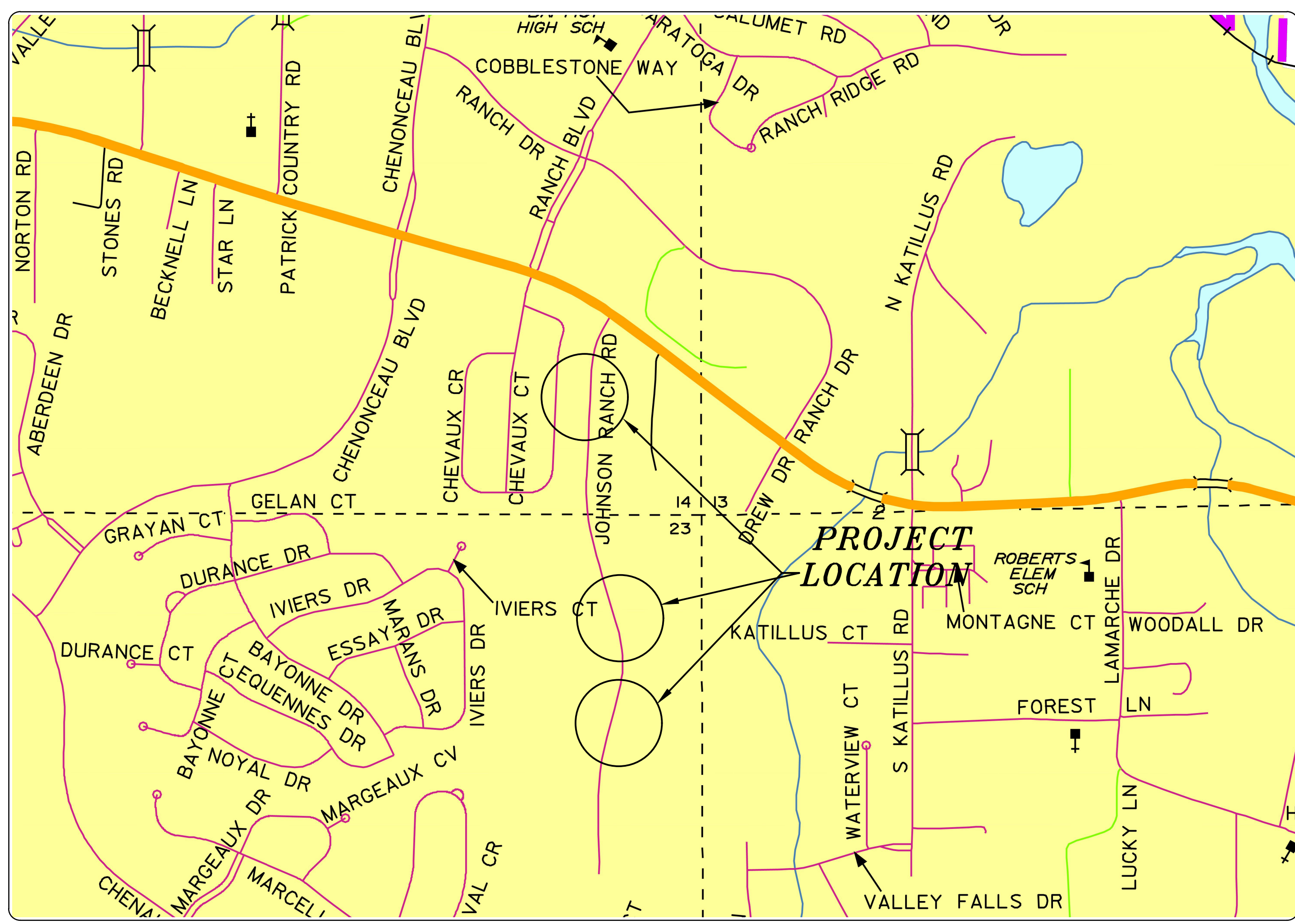
## JOHNSON RANCH

### CULVERT REPLACEMENT

#### LITTLE ROCK, AR



PROJECT LOCATION - WARD 5



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DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 WEST MARKHAM STREET  
 LITTLE ROCK, ARKANSAS 72201

90% SUBMITTAL

THOMAS  
ENGINEERING  
COMPANY

3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
 TEL: 501-753-4463 FAX: 501-753-6814

REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
 JOHNSON RANCH CULVERT REPLACEMENT  
 05-22-DR-004B  
 TITLE SHEET

DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

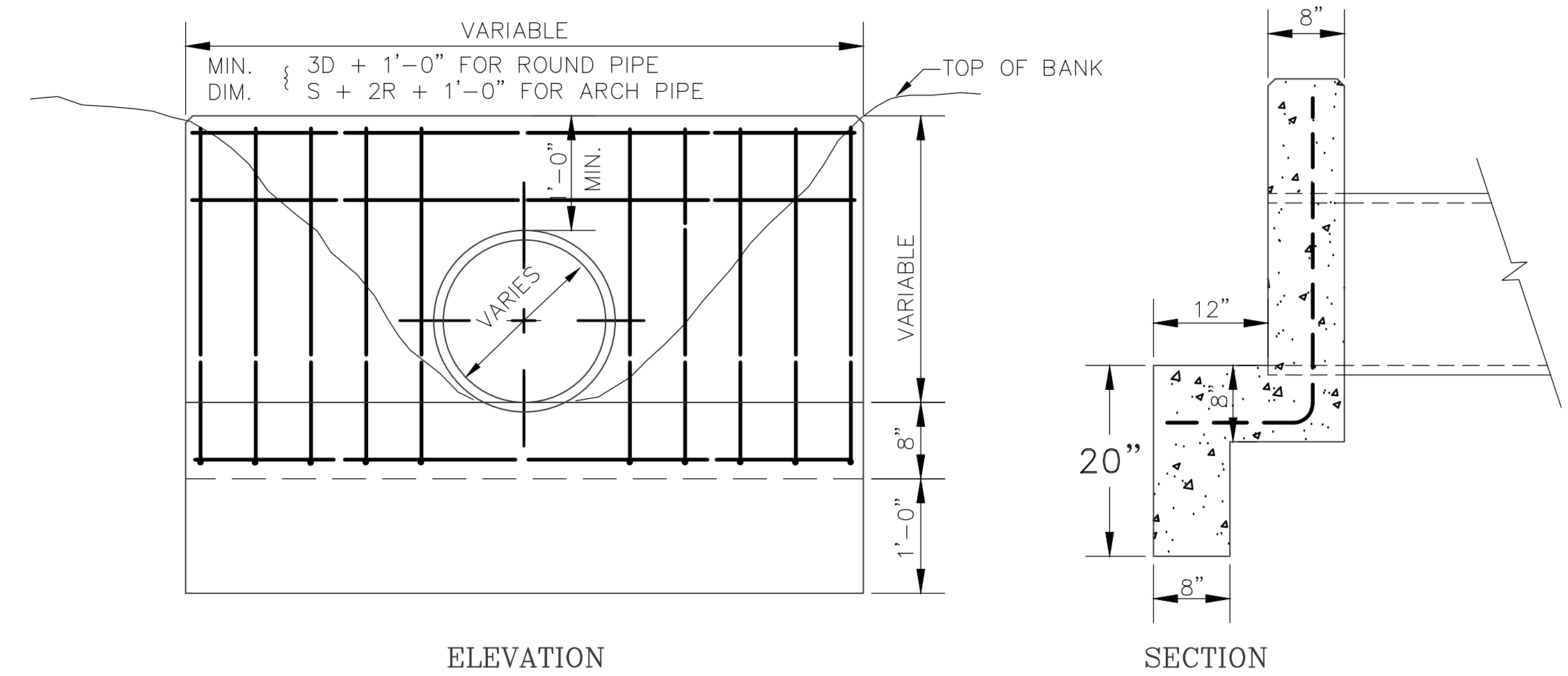
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DESIGNED MNH
CHECKED TRP
DATE 4/23/24
SCALE NTS
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-1



REVISIONS	DATE

ESTIMATED QUANTITIES			
CLR PROJECT # 05-22-DR-004B			
JOHNSON RANCH CULVERT REPLACEMENT - WARD 5			
23-Apr-24			
ITEM #	ITEM DESCRIPTION	UNIT	QUANTITY
002.01	Site Preparation	LS	1
013.24C	Storm Drain Pipe 24" Storm Drain Pipe - Cross Drain	LF	33
013.51AC	Storm Drain Pipe 31" x 51" Arch Pipe, Cross Drain	LF	38
013.59Cb	Storm Drain Pipe 36"x 59" Arch Pipe Cross Drain	LF	119
011.02	Reinforced Concrete Headwall	CY	15
013.61	Tie Into Existing Junction Box	EA	1
017.10	Cut & Repair Existing Street Surface (PW-25)	SY	100
016.01	Maintenance of Traffic	LS	1
X	Final Cleanup	LS	1
X	As Built Survey	LS	1
004.01	Aggregate Base Course (Class 7)	TON	200



ELEVATION

SECTION

NOTE: 1. ALL REINFORCING STEEL TO BE #4 BARS @ 12" O.C.  
2. ALL EXPOSED EDGES TO HAVE 3/4" CHAMFER.

STRAIGHT - HEADWALL DETAIL

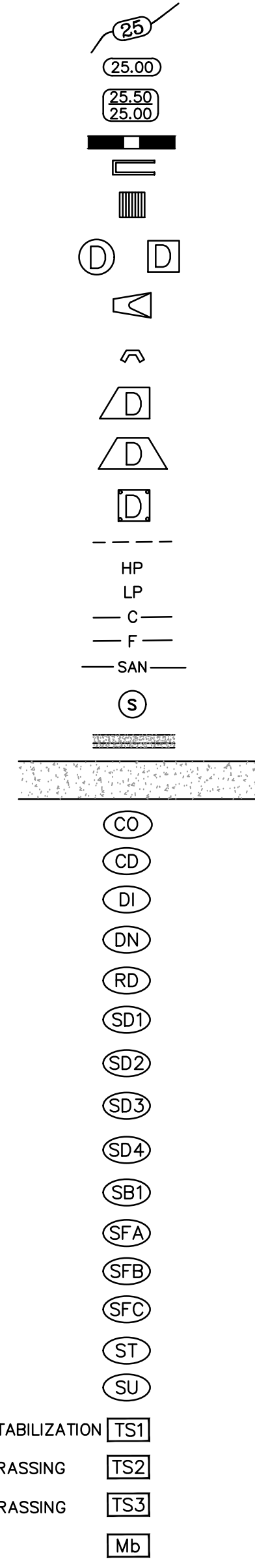
EXISTING

- IRON ROD
- PK NAIL
- R.R. SPIKE
- CONC. MONUMENT
- WATER VALVE
- WATER METER
- FIRE HYDRANT
- GAS METER
- GAS VALVE
- CLEAN-OUT
- GUARD POST (BOLLARD)
- SIGN POST
- BENCHMARK
- STORM SEWER MANHOLE
- SANITARY SEWER MANHOLE
- TELEPHONE MANHOLE
- ELECTRIC MANHOLE
- TELEPHONE BOX
- ELECTRIC BOX
- CABLE BOX
- UTILITY POLE
- GUY WIRE
- LIGHT POLE
- POST OR POLE (TYPE AS NOTED)
- MAILBOX
- DECIDUOUS TREE
- EVERGREEN/CONIFEROUS TREE
- BUSH
- PROPERTY LINE
- SETBACK LINE
- EASEMENT LINE
- CURB
- FENCE
- OVERHEAD ELECTRIC
- OVERHEAD TELEPHONE
- OVERHEAD CABLE
- UNDERGROUND TELEPHONE
- UNDERGROUND ELECTRIC
- UNDERGROUND CABLE
- WATER LINE
- SEWER LINE
- GAS LINE
- STORM SEWER/CULVERT
- EDGE OF WOODS
- CONTOUR LINE



PROPOSED

- PROPOSED CONTOUR
- PROPOSED SPOT ELEVATION
- PROPOSED SPOT CURB ELEVATION
- STORM SEWER - PIPE
- STORM SEWER - MITERED END SECTION
- STORM SEWER - GRATE INLET
- STORM SEWER - JUNCTION BOX
- STORM SEWER - FLARED END SECTION
- STORM SEWER - HEADWALL
- STORM SEWER - SINGLE WING
- STORM SEWER - DOUBLE WING
- STORM SEWER - AREA INLET
- GRADE BREAK LINE
- HIGH POINT
- LOW POINT
- CUT LINE
- FILL LINE
- SANITARY SEWER PIPE
- SANITARY SEWER MANHOLE
- PROPOSED CURB
- PROPOSED CONCRETE
- CONSTRUCTION - ENTRANCE/EXIT
- CHECK DAM
- DIVERSION BERM
- DOWNDRAIN STRUCTURE - TEMPORARY
- ROCK DAM
- SEDIMENT BARRIER - SILT FENCE
- SEDIMENT BARRIER - GRAVEL RING
- SEDIMENT BARRIER - BLOCK & GRAVEL
- SEDIMENT BARRIER - BLOCK
- TEMPORARY SEDIMENT BASIN
- SILT FENCE - TYPE A
- SILT FENCE - TYPE B
- SILT FENCE - TYPE C
- STORM DRAIN OUTLET PROTECTION
- SURFACE ROUGHENING
- DISTURBED AREA STABILIZATION - TEMPORARY STABILIZATION
- DISTURBED AREA STABILIZATION - TEMPORARY GRASSING
- DISTURBED AREA STABILIZATION - PERMANENT GRASSING
- MATting/BLANKETS



CITY OF LITTLE ROCK, ARKANSAS  
JOHNSON RANCH CULVERT REPLACEMENT  
05-22-DR-004B  
LEGEND & QUANTITIES

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

SEAL

90% SUBMITTAL

**TE** THOMAS ENGINEERING COMPANY  
3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
TEL: 501-753-4463 FAX: 501-753-6814

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DESIGNED MNH
CHECKED TRP
DATE 4/23/24
SCALE NTS
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-2



REVISIONS	DATE

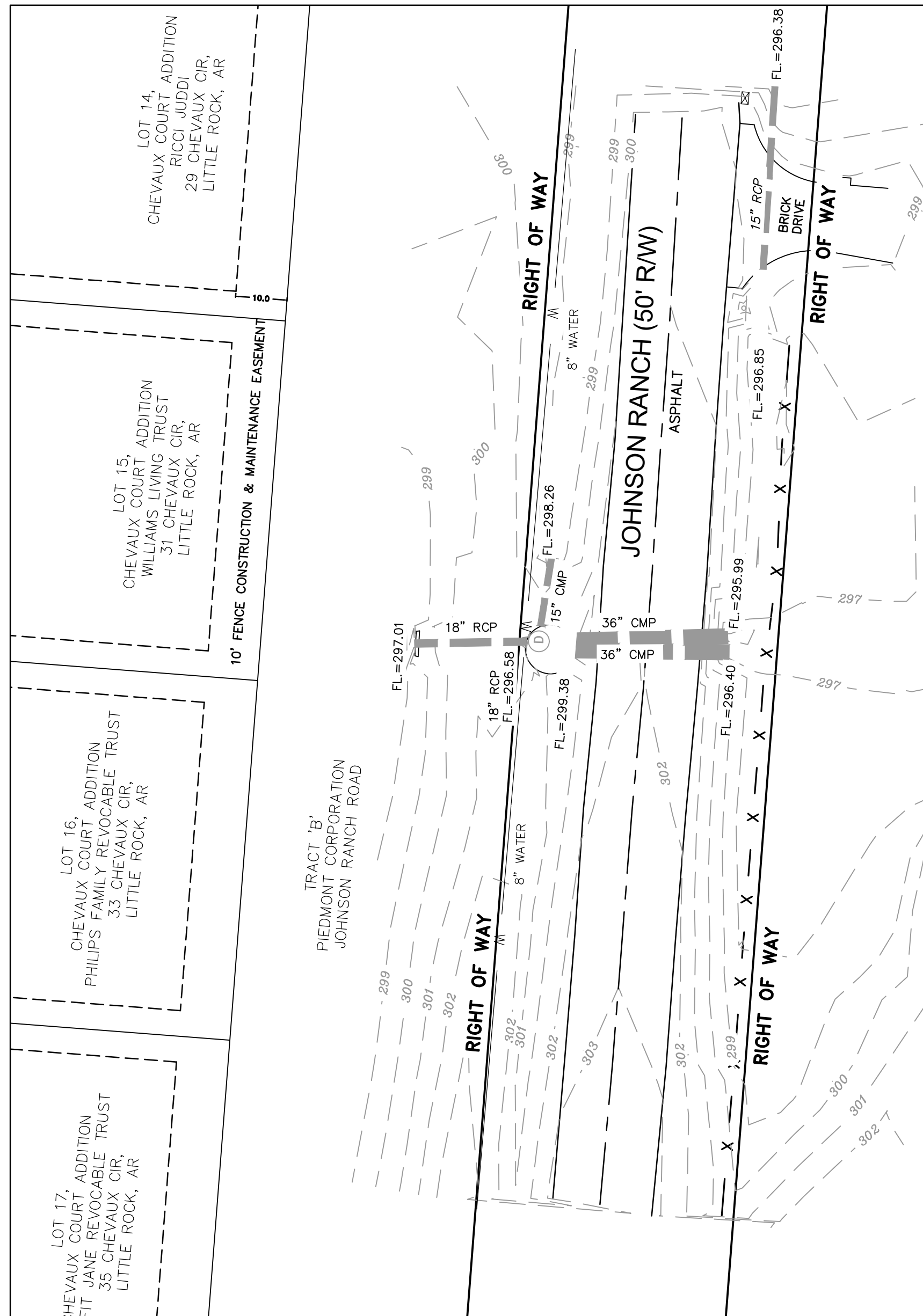
**CITY OF LITTLE ROCK, ARKANSAS**  
**JOHNSON RANCH CULVERT REPLACEMENT**  
**05-22-DR-004B**

TOPOGRAPHIC SURVEY

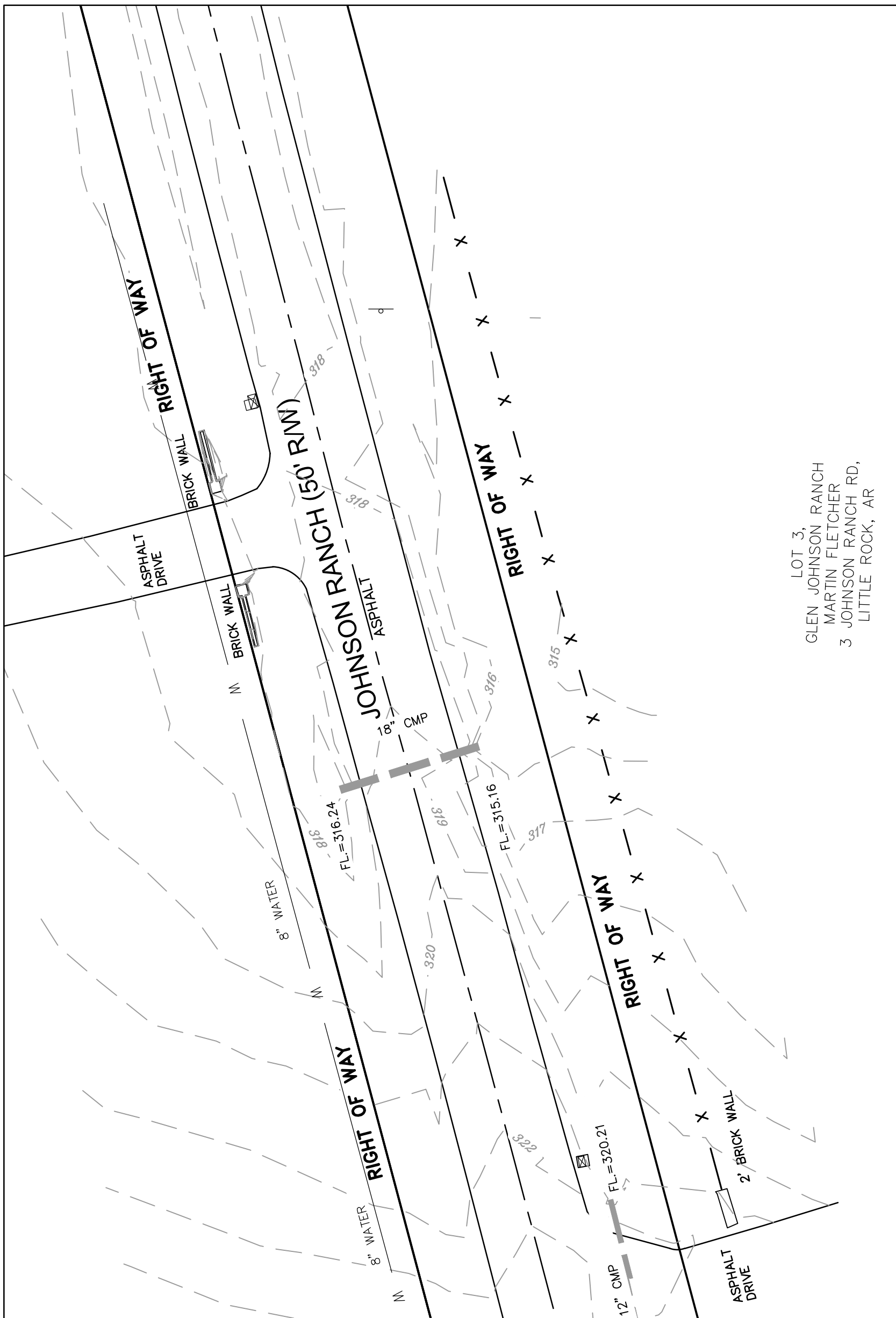
DEPARTMENT OF PUBLIC WORKS  
 CIVIL ENGINEERING  
 701 W. MARKHAM  
 LITTLE ROCK, ARKANSAS 72201

SEAL

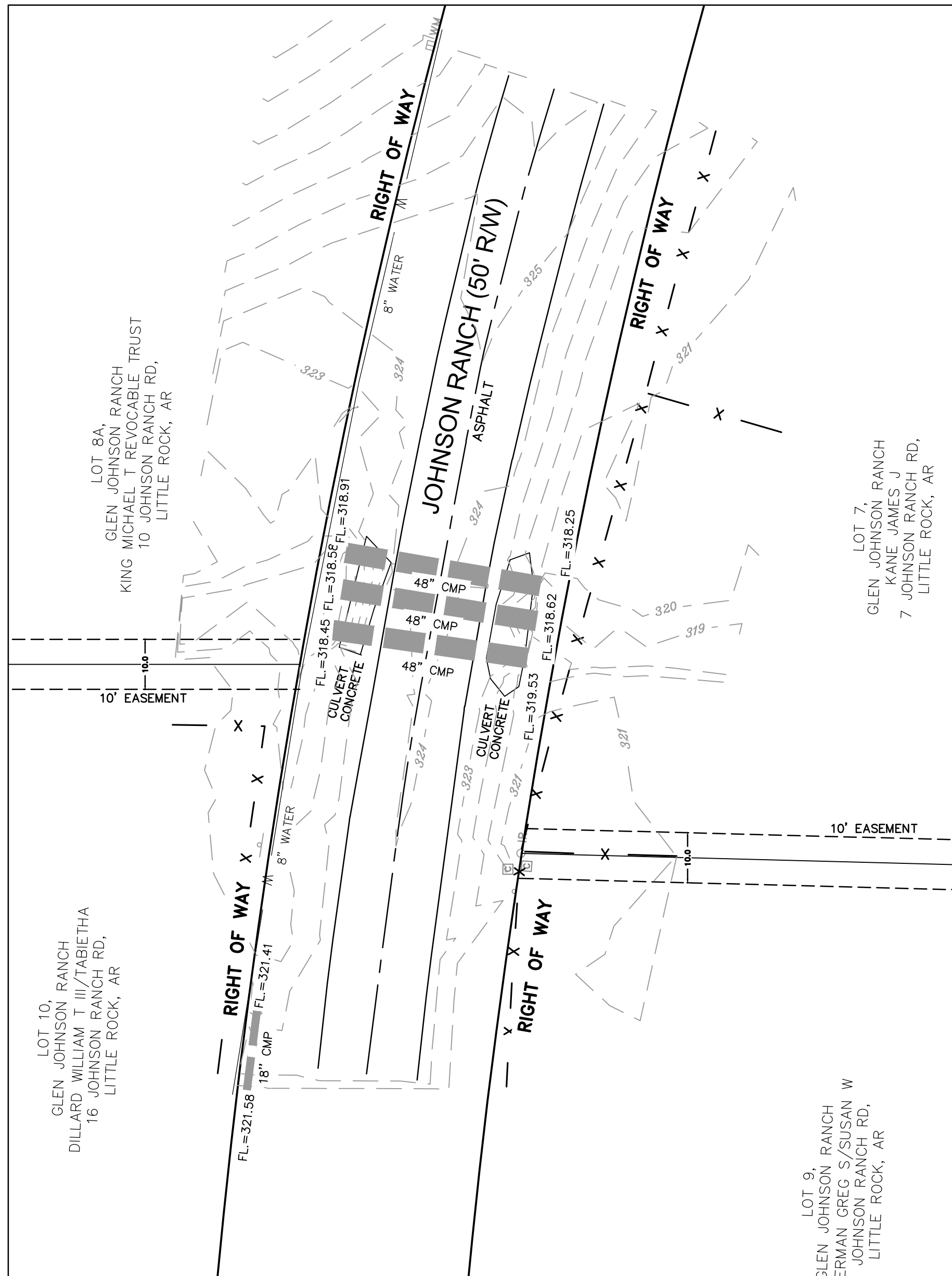
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 MC  
**DESIGNED**  
 MC  
**CHECKED**  
 MC  
**DATE**  
 1/18/24  
**SCALE**  
 1" = 20'  
**PROJECT NO.**  
 CLR #05-22-DR-004B  
**SHEET NO.**  
 C-3



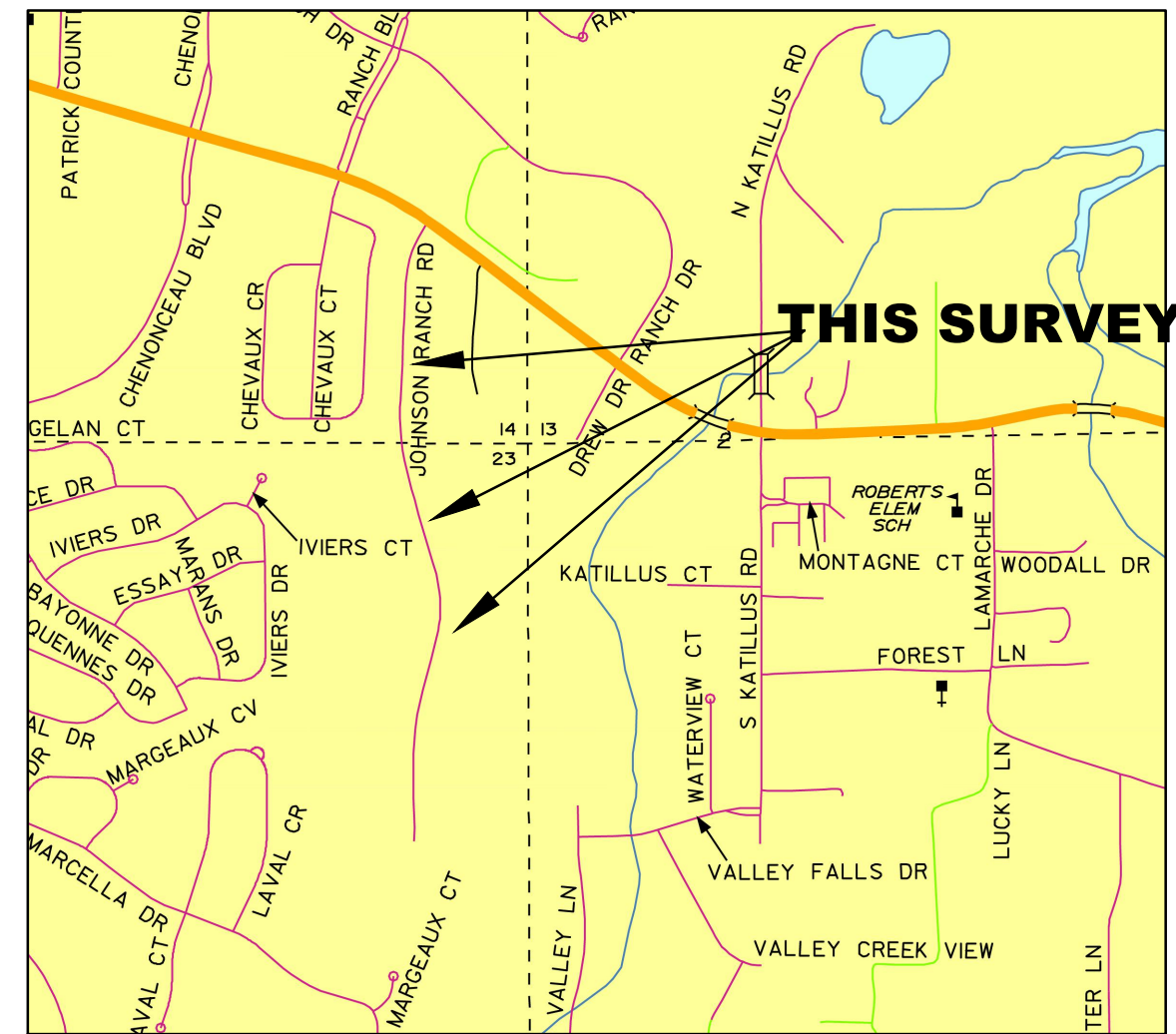
JOHNSON RANCH AT HOFFMAN LANE



3 JOHNSON RANCH DRIVE



7 JOHNSON RANCH DRIVE



VICINITY MAP

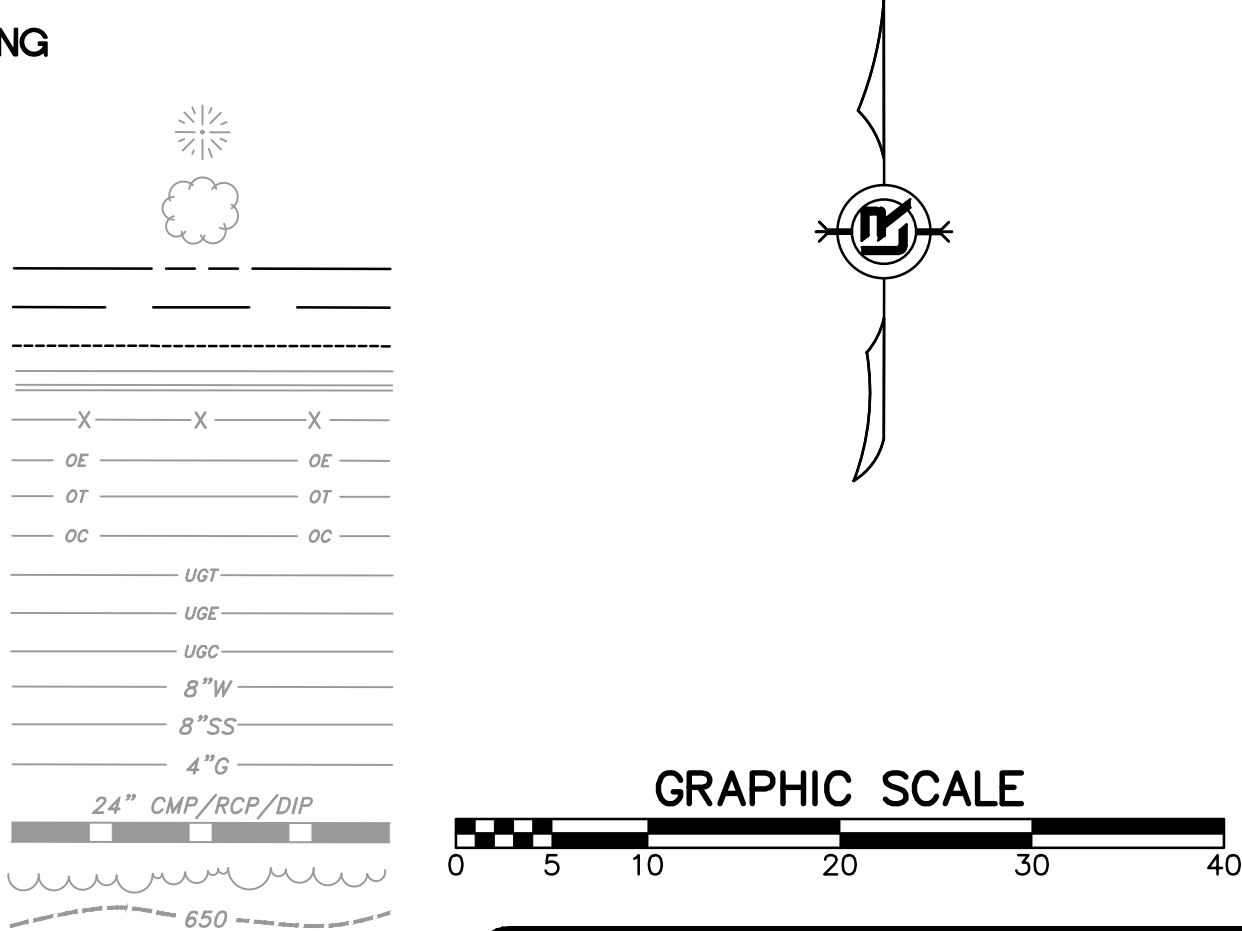
SURVEYOR'S NOTES

1. THE INFORMATION AND/OR ELEVATION OF EXISTING UTILITIES AS SHOWN ON THIS SURVEY IS BASED ON RECORDS OF EXISTING UTILITY COMPANIES AND WHERE POSSIBLE, MEASUREMENTS WERE TAKEN IN THE FIELD. THE INFORMATION IS NOT TO BE RELIED ON AS BEING COMPLETE. THE CONTRACTOR MUST CALL THE APPROPRIATE UTILITY COMPANY AT LEAST 48 HOURS IN ADVANCE BEFORE ANY EXCAVATION TO REQUEST EXACT FIELD LOCATION OF UTILITIES.
2. BASIS OF BEARINGS: ARKANSAS STATE PLANE, NORTH ZONE (AR DOT).
3. THE PROPERTY IS NOT SHOWN IN THE 100 YEAR FLOOD PLAIN ON THE FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 050181 0319 H DATED JUNE 6, 2019.
4. THE SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT TITLE SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP, TITLE EVIDENCE, OR ANY OTHER FACTS WHICH AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.

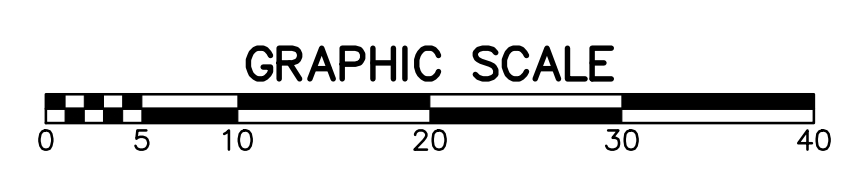
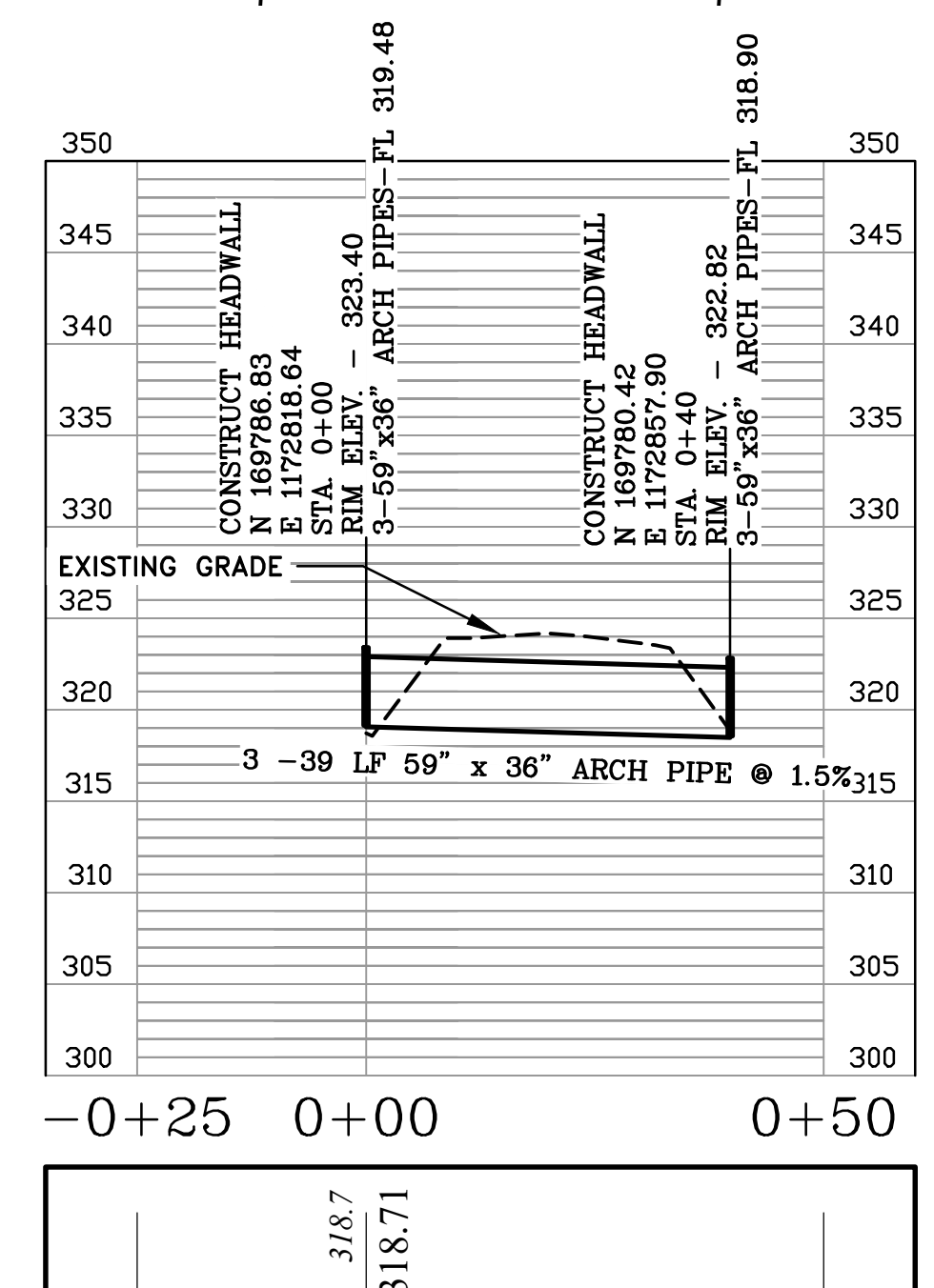
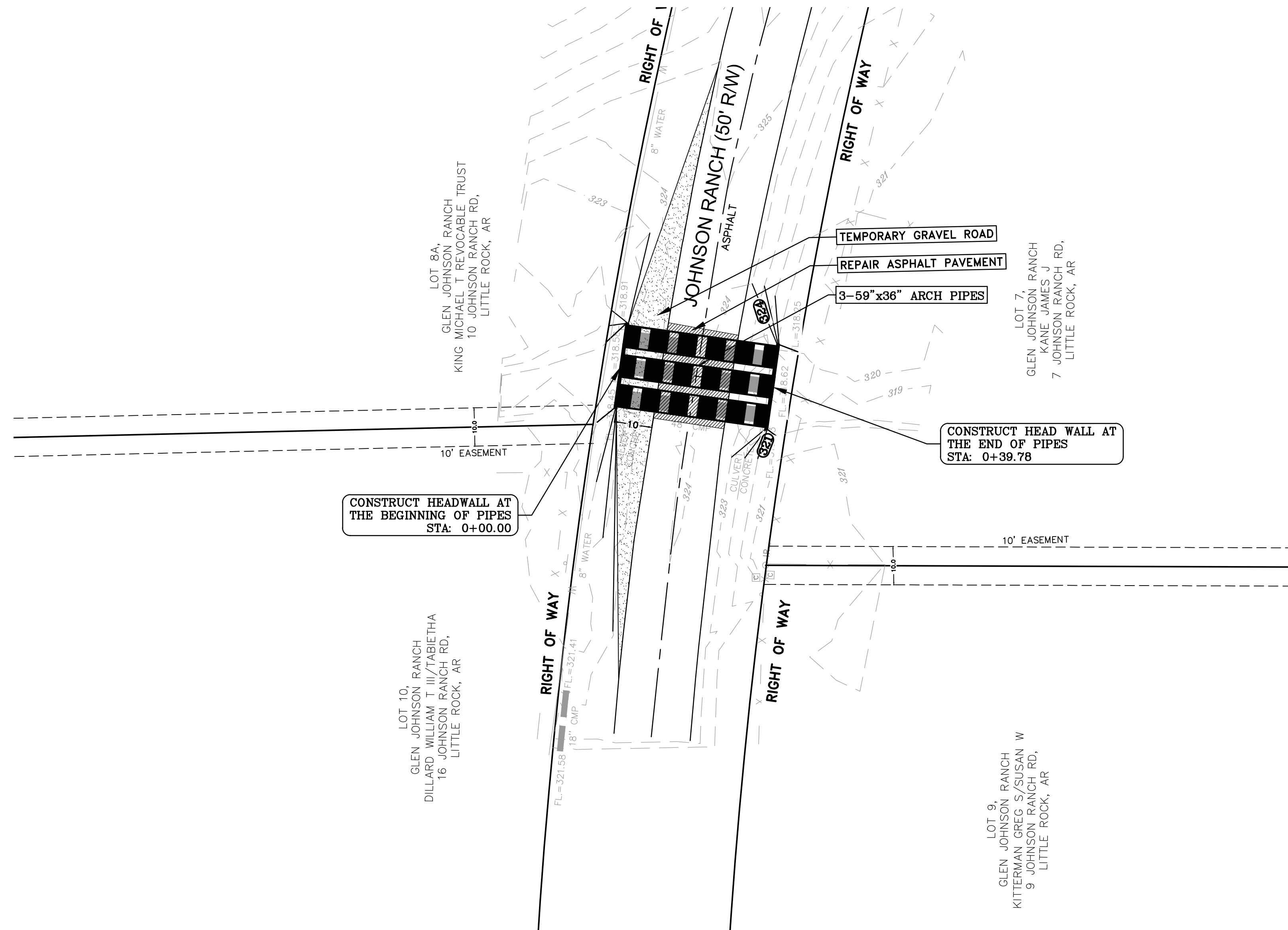
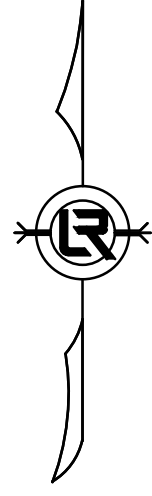
CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE DESCRIBED LAND HAS BEEN SURVEYED. THE CORNERS ARE MARKED AS SHOWN AND ARE IN ACCORDANCE WITH EXISTING MONUMENTS IN THE VICINITY. THIS CERTIFICATION IS FOR AND LIMITED TO THE PARTIES SHOWN HEREON.

EXISTING	EXISTING
○ IR	EVERGREEN/CONIFEROUS TREE
○ PK	BUSH
○ RR(Sp)	PROPERTY LINE
□ CM	SETBACK LINE
× WV	EASEMENT LINE
□ WM	CURB
○ FH	FENCE
□ GM	OVERHEAD ELECTRIC
○ GV	OVERHEAD TELEPHONE
○ CO	OVERHEAD CABLE
○	UNDERGROUND TELEPHONE
○	UNDERGROUND ELECTRIC
○	UNDERGROUND CABLE
○	WATER LINE
○	SEWER LINE
○	GAS LINE
○	STORM SEWER/CULVERT
○	EDGE OF WOODS
○	CONTOUR LINE
○	IRON ROD
○	PK NAIL
○	R.R. SPIKE
○	CONC. MONUMENT
○	WATER VALVE
○	WATER METER
○	FIRE HYDRANT
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○	GAS VALVE
○	CLEAN-OUT
○	GUARD POST (BOLLARD)
○	SIGN POST
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○	SANITARY SEWER MANHOLE
○	TELEPHONE MANHOLE
○	ELECTRIC MANHOLE
○	TELEPHONE BOX
○	ELECTRIC BOX
○	CABLE BOX
○	UTILITY POLE
○	GUY WIRE
○	LIGHT POLE
○	POST OR POLE (TYPE AS NOTED)
○	MAILBOX
○	DECIDUOUS TREE



**THOMAS ENGINEERING COMPANY**  
 3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72118  
 TEL: 501-753-4463 FAX: 501-753-6814



7 JOHNSON RANCH ROAD (05-22-DR-003)

90% SUBMITTAL

THOMAS  
ENGINEERING  
COMPANY  
3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
TEL: 501-753-4463 FAX: 501-753-6814

REVISIONS	DATE

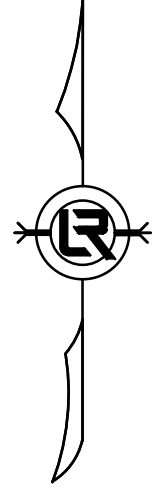
CITY OF LITTLE ROCK, ARKANSAS  
JOHNSON RANCH CULVERT REPLACEMENT  
05-22-DR-004B  
7 JOHNSON RANCH DRIVE

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 7201

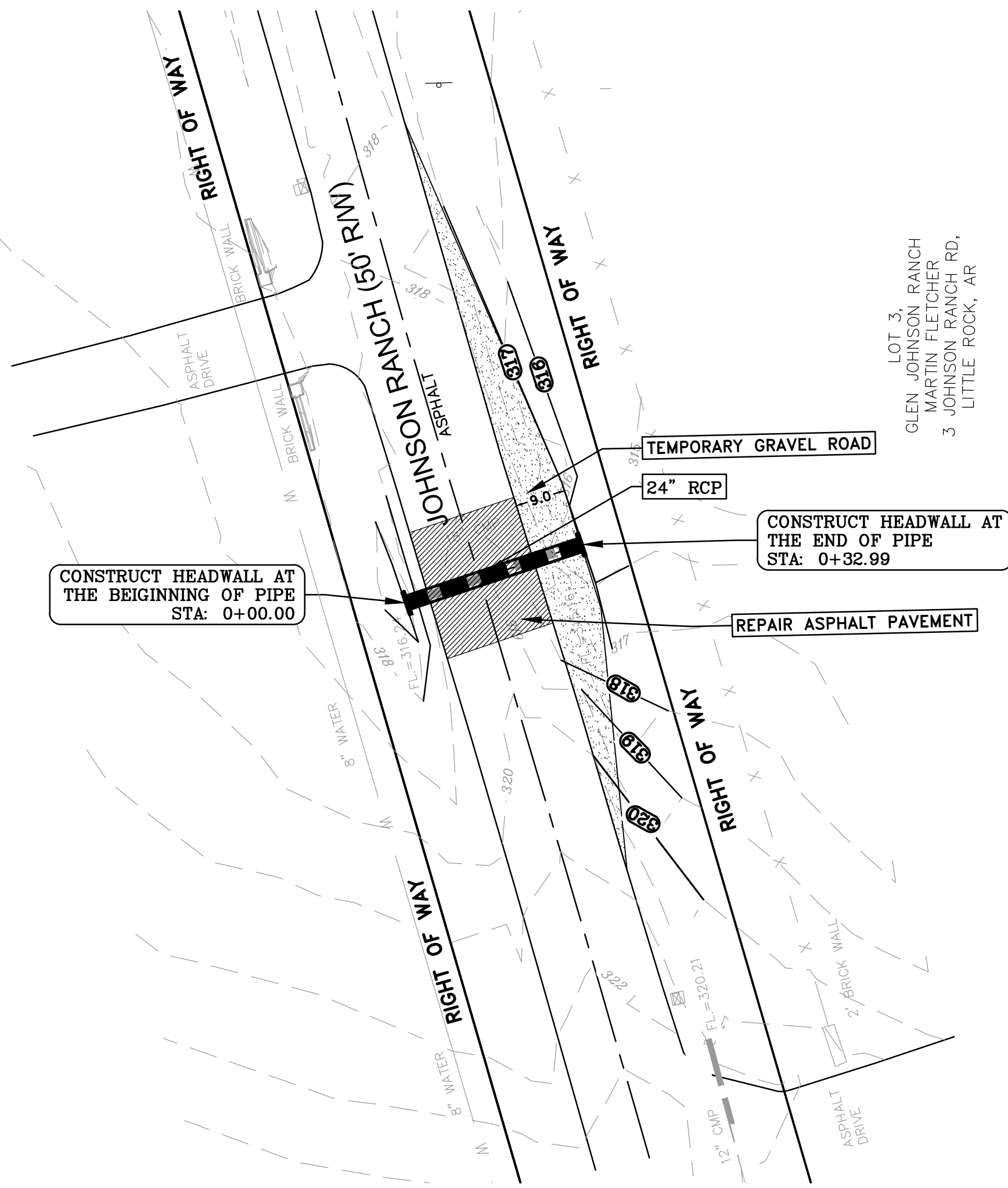
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DRAWN BY MNH
DESIGNED MNH
CHECKED TRP
DATE 4/23/24
SCALE 1"=20'
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-4

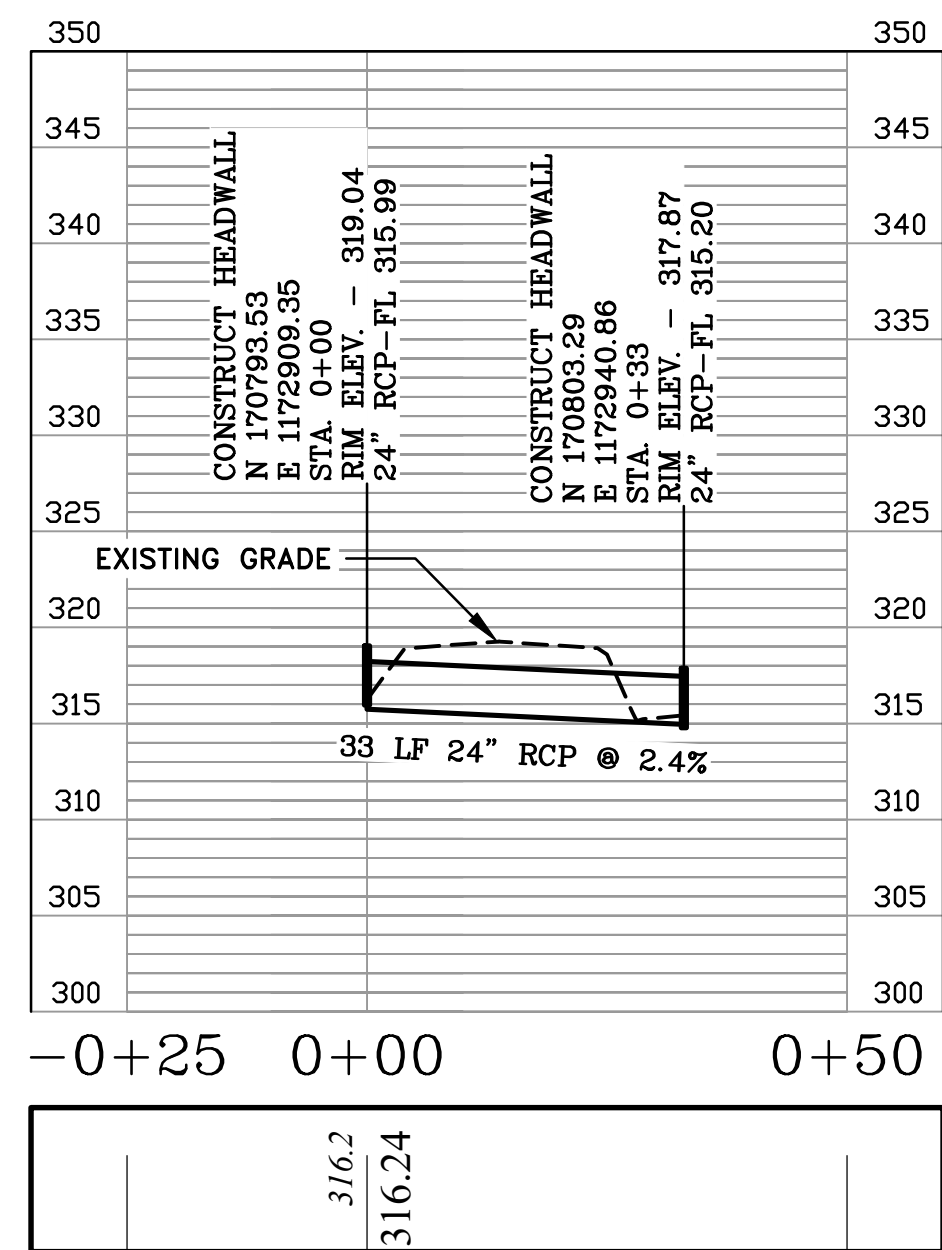




LOT 4,  
GLEN JOHNSON RANCH  
PARDO PROPERTIES, LLC  
4 JOHNSON RANCH RD,  
LITTLE ROCK, AR

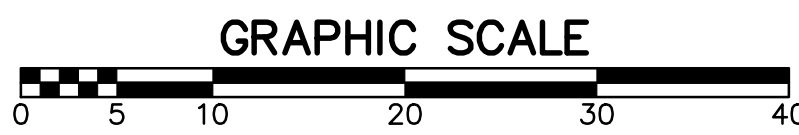


LOT 3,  
GLEN JOHNSON RANCH  
MARTIN FLETCHER  
3 JOHNSON RANCH RD,  
LITTLE ROCK, AR



STORM B

3 JOHNSON RANCH ROAD (05-22-DR-003)



REVISIONS	DATE

CITY OF LITTLE ROCK, ARKANSAS  
JOHNSON RANCH CULVERT REPLACEMENT  
05-22-DR-004B  
3 JOHNSON RANCH DRIVE

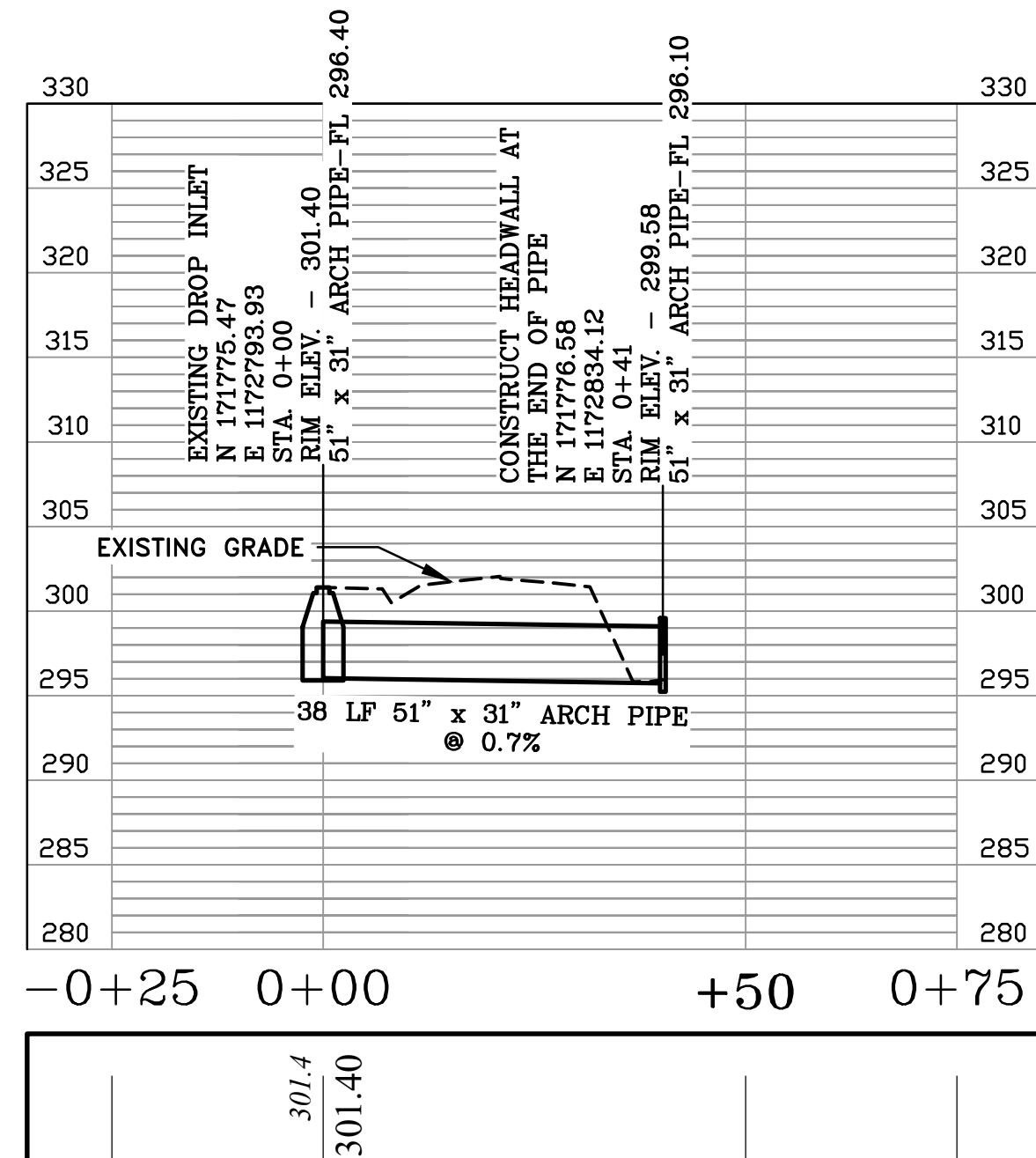
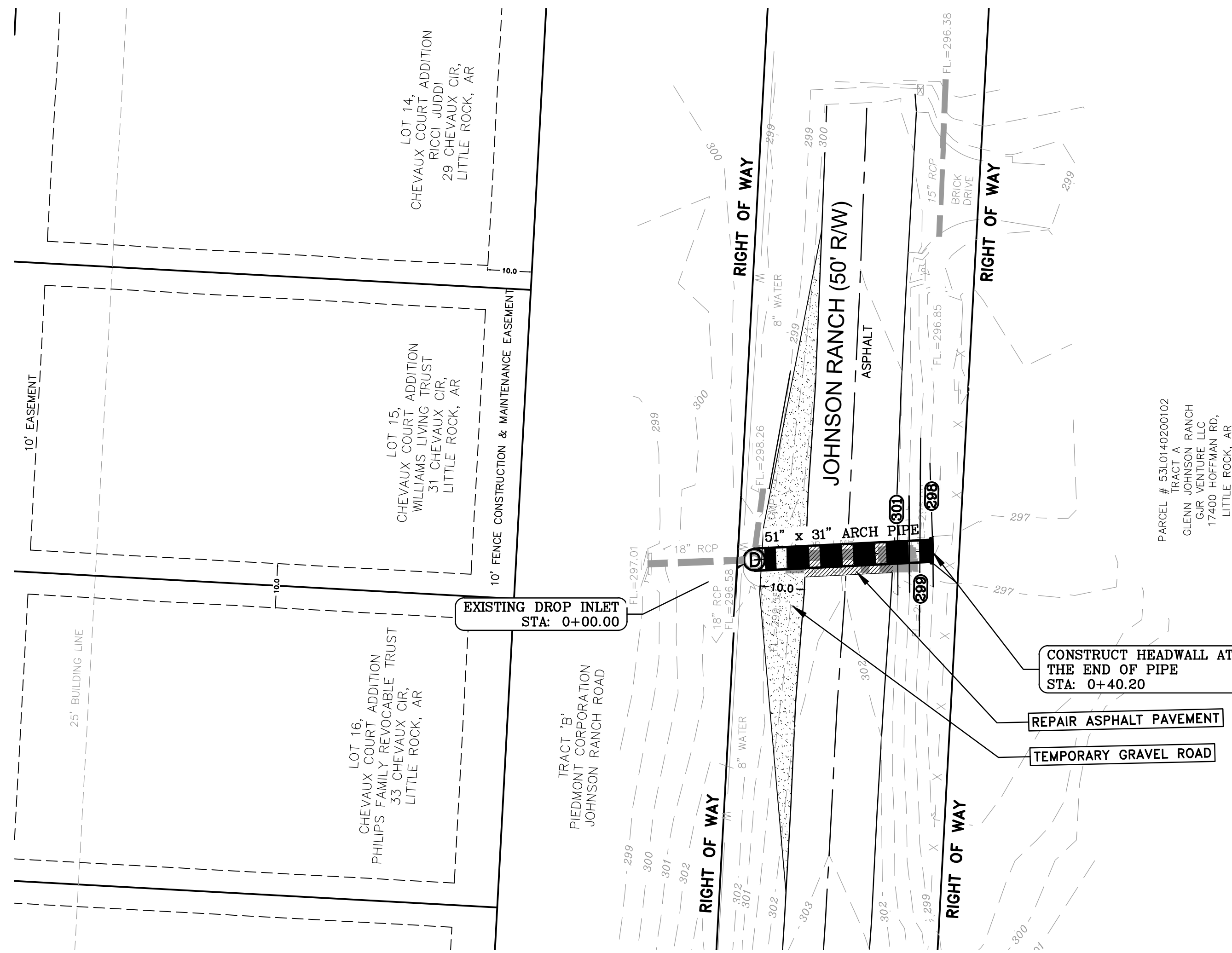
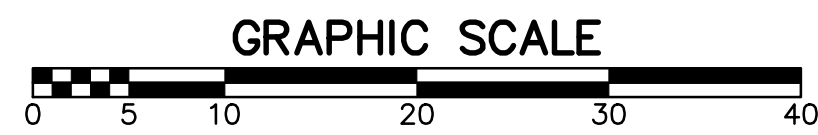
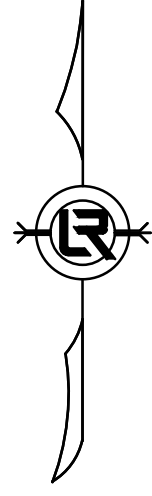
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CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

SEAL

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SHEET NO. C-5

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ENGINEERING  
COMPANY  
3810 LOOKOUT ROAD, N. LITTLE ROCK, AR. 72116  
TEL: 501-753-4463 FAX: 501-753-6814



JOHNSON RANCH AT HOFFMAN LANE (05-22-DR-004)

90% SUBMITTAL

THOMAS  
ENGINEERING  
COMPANY  
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CITY OF LITTLE ROCK, ARKANSAS  
JOHNSON RANCH CULVERT REPLACEMENT  
05-22-DR-004B  
JOHNSON AT HOFFMAN LANE

DEPARTMENT OF PUBLIC WORKS  
CIVIL ENGINEERING  
701 W. MARKHAM  
LITTLE ROCK, ARKANSAS 72201

SEAL

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DESIGNED MNH
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SCALE 1"=20'
PROJECT NO. CLR #05-22-DR-004B
SHEET NO. C-6

